

U.S.S.N. 09/732,411

Filed: December 7, 2000

AMENDMENT AND RESPONSE TO OFFICE ACTION

In the Claims

1. (currently amended) A method for inhibiting binding of a cell to an integrin, ~~or glycosaminoglycan or vascular adhesion molecule~~, comprising providing the cell with a peptide molecule, ~~wherein the comprising a peptide having has a~~ molecular weight less than about 25000 ~~2500 Daltons and comprises consisting of~~ a sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:10, SEQ ID NO:12, SEQ ID NO:14 and SEQ ID NO:15.

2. (canceled)

3. (previously presented) The method of claim 1, wherein the peptide is SEQ ID NO:15.

4. (currently amended) The method of claim 1, wherein the cell is selected from the group consisting of an endothelial cell, a fibroblast and a macrophage; and wherein the integrin is ~~selected from the group consisting of an $\alpha 4 \beta 1$ integrin and the vascular adhesion molecule is a~~ VCAM.

5. (previously presented) The method of claim 4, wherein the cell is an endothelial cell.

6. (canceled)

7. (previously presented) The method of claim 1, wherein the cell is a neutrophil or a myofibroblast.

8-10. (canceled)

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11. (canceled)

12-15. (canceled)

16. (previously presented) The method of claim 1, wherein the cell is within a cell population.

17. (previously presented) The method of claim 1, wherein the cell is within a subject.

18. (previously presented) The method of claim 1, wherein the cell is immobilized on a substrate selected from the group consisting of a polyvinyl surface, a gel, collagen, hyaluronic acid, titanium and polyglycolic acid.

19. (canceled)

20-29. (canceled)